

BRAINSTORMING SESSION

Group E

Moderated by Jean Christophe Glaszmann

BREAKOUT GROUP 3

Rapporteur: David Bertioli

Outputs: Genetic Material/genomics

Recommendations:

1. Competitive:

Comparative mapping in legumes is recommended. Two visions of how to do that were presented:

a) creation of a global framework with anchor markers in a similar way to that has been done with grasses – anchor species: lotus/ medicago

b) comparative candidate gene map through ref. genome (Medicago/lotus) with cross ref to QTL data for crop

2. Commissioned:

Recommendation for considering large scale sequencing using “Polony seq” (454 technology) of 1 monocot and 1 dicot with genome of 10(9) bp or less

3. Commissioned:

To build basic genetic resources funding the creating of NILs and of RILs in important crops that lack them